Title (en)

BIDIRECTIONAL MOBILE CLEANING DEVICE

Title (de)

BIDIREKTIONALE MOBILE REINIGUNGSVORRICHTUNG

Title (fr)

DISPOSITIF DE NETTOYAGE MOBILE BIDIRECTIONNEL

Publication

EP 3524123 A3 20190911 (EN)

Application

EP 18250026 A 20180928

Priority

- CN 2018076704 W 20180213
- US 201816100546 A 20180810

Abstract (en)

The disclosure relates to a bidirectional mobile cleaning device (100) comprising a garbage collection box (10), a first rolling member (20) disposed at one end of the garbage collection box, and a second rolling member (30) disposed at the other end of the garbage collection box. The first rolling member rotates to collect and adsorb garbage and sewage on the ground and feed it into the garbage collection box. The second rolling member rotates in a direction opposite to the direction with which the first rolling member rotates to collect and absorb garbage and sewage on the ground and feed it into the garbage collection box. The bidirectional mobile cleaning device is driven to move based on a speed difference between the first and second rolling members.

IPC 8 full level

A47L 11/40 (2006.01)

CPC (source: EP GB US)

A47L 9/0072 (2013.01 - US); **A47L 9/009** (2013.01 - US); **A47L 9/2842** (2013.01 - US); **A47L 9/2847** (2013.01 - US); **A47L 11/22** (2013.01 - EP GB); **A47L 11/24** (2013.01 - GB); **A47L 11/4013** (2013.01 - EP GB); **A47L 11/4041** (2013.01 - EP); **A47L 11/4088** (2013.01 - EP); A47L 2201/00 (2013.01 - EP); A47L 2201/04 (2013.01 - US); A47L 2201/06 (2013.01 - US)

Citation (search report)

- [XY] US 1849218 A 19320315 - BEACH CHESTER H
- [X] CN 201929884 U 20110817 - SHENZHEN SILVER STAR INTELLIGENT ELECTRONIC LTD
- [XI] CN 201064424 Y 20080528 - QUANYI LI [CN]
- [X] CN 203213052 U 20130925 - RONG SHILIANG
- [Y] EP 3238597 A1 20171101 - HIZERO TECH CO LTD [CN]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

US 10765283 B2 20200908; **US 2019246856 A1 20190815**; CN 110678271 A 20200110; CN 110678271 B 20220429; DE 202018105567 U1 20181009; EP 3524123 A2 20190814; EP 3524123 A3 20190911; GB 2570959 A 20190814; GB 2570959 B 20200603; JP 2019136486 A 20190822; WO 2019157653 A1 20190822

DOCDB simple family (application)

US 201816100546 A 20180810; CN 2018076704 W 20180213; CN 201880032587 A 20180213; DE 202018105567 U 20180927; EP 18250026 A 20180928; GB 201815898 A 20180213; JP 2018219920 A 20181126